

PATENT  
03141-P0377A WWW/DC

## Abstract

The invention relates to an electrochemical gas sensor having improved response time and sensitivity. The electrochemical gas sensor includes a substrate for providing a surface upon which an electrode may be placed, a first electrode placed on the surface, a thin film of electrolyte support for receiving electrolyte and having a predetermined porosity, and a second electrode deposited on the thin film for permitting a measurement of current between the first and second electrodes.

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